



# भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित  
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No. 23] NEW DELHI, SATURDAY, JUNE 7, 1986 (JYAISTHA 17, 1908)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

## भाग III—खण्ड 2

### [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 7th June 1986

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#### CORRIGENDUM

In the Gazette of India, Part III, Section 2 dated the 2nd  
March, 1985 under the heading "PATENTS SEALED" delete  
152877.

**APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017**

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

*29th April, 1986*

- 334/Cal/86. Cegedur Societe De Transformation De L' Aluminium Pechiney. Method and apparatus for lubricated forward extrusion with radial forward removal of outer shell.
- 335/Cal/86. Huck Manufacturing Company. Variable clamp fastener and method of using same for securing workpieces together.
- 336/Cal/86. Huck Manufacturing Company. Expansion type anchor bolt.

*30th April, 1986*

- 337/Cal/86. Westinghouse Electric Corporation. Improved automated acousto-optic infra-red analyzer system for monitoring stack emissions.
- 338/Cal/86. Siemens Aktiengesellschaft. Control device for an electromagnetic switchgear.
- 339/Cal/86. Aluminium Pechiney. Electrolysis tank superstructure with intermediate gantry, for the production of aluminium.
- 340/Cal/86. The Babcock & Wilcox Company. On line serial communication interface to a transmitter from a current loop.
- 341/Cal/86. The Babcock & Wilcox Company. On line serial communication interface from a current loop to a computer and/or terminal.

*1st May, 1986*

- 342/Cal/86. The Babcock & Wilcox Company. On line serial communication interface from a computer to a current loop.
- 343/Cal/86. International Minerals & Chemical Corporation. A process for the production of silicon or polysilicon in an electric low shaft furnace, and raw material mouldings suitable for the process.
- 344/Cal/86. Siemens Aktiengesellschaft. A wide-band radio transmitter.

*2nd May, 1986*

- 345/Cal/86. American Hoechst Corporation. Water-soluble monoazo compounds, process for their preparation and their use as dyestuffs.
- 346/Cal/86. Texaco Development Corporation. Quench ring and dip tube combination with improvement.

*5th May, 1986*

- 347/Cal/86. Narendra Kumar Sharma. Improved in TV signal booster.
- 348/Cal/86. Sansho Seiyaku Co. Ltd. Topical agents for inhibiting the melanin generation.
- 349/Cal/86. (1) Krivorozhsky Gornorunny Institut, (2) Vsesoiuzny Nauchno-Issledovatel'sky I Proektny Institut Mekhanicheskoi Obrabotki Poleznykh Iskopayemykh. Method and apparatus for measuring parameters of solid phase of slurries.
- 350/Cal/86. Alfa—Laval Food & Dairy Engineering AB. Closable bag and method and arrangement for aseptic filling thereof.

**APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, THIRD FLOOR, KAROL BAGH, NEW DELHI-110 005.**

*14th April, 1986*

- 331/Del/86. Sushil Kumar Bhatia., "Electronic bathroom and toilet flush system".
- 332/Del/86. Sultan Singh Jain, "An automatic cut out for transmission of power".
- 333/Del/86. Hydro Energy Associated Ltd., "A pneumatic hydro-electric power conversion system". (Convention date 16th April, 1985 and 26th June, 1985) (U.K.).
- 334/Del/86. Bayer Aktiengesellschaft, "Process for preparing benzothiazolesulphenamides".
- 335/Del/86. Compagnie Generale D' Electricite, "Method and device for filtering a suspension of particles in a liquid".

*15th April, 1986*

- 336/Del/86. The Lubrizol Corporation. "Sulfur containing compositions, and additive concentrates, lubricating oils and metal working lubricants containing same".
- 337/Del/86. L'Air Liquide, Societe Anonyme Pour L' Etude Et L' Exploitation Des Procédes Georges Claude, "Process and machine for manufacturing a multi layer thermal insulation around and along a soild passage and corresponding cryogenic reservoir".
- 338/Del/86. The Halcon SD Group, Inc., "Selective extraction of argon from ethylene oxide recycle stream".
- 339/Del/86. Imperial Chemical Industries PLC., "Catalysts". (Convention date 22nd April, 1985) (U.K.).

*16th April, 1986*

- 340/Del/86. Jyoti Parmanand Wadhvani, "Improved bracket having slanting glass panels for window frames".
- 341/Del/86. Blue Circle Industries PLC, "Process for the manufacture of fibre-reinforced cement composites".
- 342/Del/86. The Cross Company, "CNC turning machine".

*17th April, 1986*

- 343/Del/86. The General Electric Co., P.L.C., "Protection apparatus". (Convention date 17th April, 1985 and 27th August, 1985) (U.K.).
- 344/Del/86. Bayer Aktiengesellschaft, "Process for the production of 4-nitrodiphenylamines".
- 345/Del/86. Thomas Robert Anderson, "Improvements in sails and sailing vessels".

*18th April, 1986*

- 346/Del/86. Suresh Kumar Chawla, "A transport systems".
- 347/Del/86. Imperial Chemical Industries PLC., "A gasket of an electrically insulating material suitable for use in an electrolytic cell". (Convention date 19th May, 1982) [Divisional date 7th May, 1983].
- 348/Del/86. Voest Alpine Aktiengesellschaft. "A method for the direct reduction of particulate iron oxide containing material".
- 349/Del/86. Wilcom Proprietary Ltd., "Jacquard emulator". (Convention date 19th April, 1985) (Australia).
- 350/Del/86. ICI Australia Ltd., and Commonwealth Scientific and Industrial Research Organization, "Purification of zirconium compounds". (Convention date 2nd May, 1985) (Australia).

21st April, 1986

- 351/Del/86. Council of Scientific and Industrial Research, "An improved device for aeration of liquids".
- 352/Del/86. Council of Scientific and Industrial Research, "An improved process for the production of alumina from alumina bearing ore waste material and slag".
- 353/Del/86. Council of Scientific and Industrial Research, "Improvements in or relating to the manufacture of wall panels using soil/cement/lime and stems of ipomoea carnea (besharam)".
- 354/Del/86. Gautam Lal Kumawat, "Automatic irrigation capsule named as Sudhir Automatic Irrigation Capsule".
- 355/Del/86. Rajiv Sarin, "A cassette base tube infeed device for a tube feeding machine".
- 356/Del/86. The Standard Oil Company, "System and method for scheduling irrigation".
- 357/Del/86. Gautam Lal Kumawat, "Automatic underground irrigation method".

23rd April, 1986

- 358/Del/86. Ashok Ramaney, "Improvements in the manufacture of oil soluble polyvalent metal sulfonates".
- 359/Del/86. International Paint Public Ltd., Co., "Marine anti fouling paint production". (Convention date 2nd May, 1985) (U.K.).
- 360/Del/86. Exxon Chemical Patents Inc., "Fuel oil compositions". (Convention date 26th April, 1985 and 16th December, 1985) (U.K.).
- 361/Del/86. International Paint Public Ltd. Co., "Anti fouling paint production process". (Convention date 14th May, 1985) (U.K.).
- 362/Del/86. Poclair Hydraulics, "Hydraulic mechanism, engine or pump, provided with rollers mounted on the pistons and with means for holding said rollers in position".
- 363/Del/86. Exxon Chemical Patents Inc., "Fuel compositions". (Convention date 26th April, 1985) (U.K.).

24th April, 1986

- 364/Del/86. Vacuum Interrupters Ltd., "Vacuum devices". (Convention date 24th April, 1985) (U.K.).
- 365/Del/86. Bandag Licensing Corporation, "Differential pressure control valve".
- 366/Del/86. Union Rheinische Braunkohlen Kraftstoff AG., "Process for the purification of liquid sulphur".
- 367/Del/86. Vacuum Interrupters Ltd., "High Current switch contacts". (Convention date 24th April, 1985) (U.K.).
- 368/Del/86. Vacuum Interrupters Ltd., "High Current switch contacts". (Convention date 24th April, 1985) (U.K.).

25th April, 1986

- 369/Del/86. Council of Scientific and Industrial Research, "A process for the preparation of 1-aryloxy/1- $\alpha$ -naphthoxy-3- (substituted-2-benzoylanilino) 2-propanols as analgesic, antilflammatory and antispasmodic agents".
- 370/Del/86. Council of Scientific and Industrial Research, "A process for the preparation of 1-formyl-4 appropriately substituted piperazines useful as male fertility regulating agents".

371/Del/86. Council of Scientific and Industrial Research, "A process for the recovery of copper, nickel and cobalt from converter slag or any other oxide sources".

372/Del/86. Council of Scientific and Industrial Research, "Improvement in or related to the manufacture of cementitious binder".

373/Del/86. Council of Scientific and Industrial Research, "A process for the preparation of 2, 7-diamidino-xanthone-thioxanthone-xanthane and thioxanthane".

374/Del/86. Digital Equipment Corporation, "Arrangement for expanding memory capacity".

375/Del/86. United Coal Co., "Method and apparatus for extracting fluid from wet particulate matter".

APPLICATIONS FOR PATENTS FIELD AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 003

21st April, 1986

- 296/Mas/86. R. Kadengal. A method for fast plotting of electric signal waveforms.
- 297/Mas/86. Metal Box p.l.c. End component and side wall for a container. (April 29, 1985; Britain).
- 298/Mas/86. Stratoflex, Inc. Crimping machine.
- 299/Mas/86. Corning Glass Works. Glass melting surface.
- 300/Mas/86. Corning Glass Works. Electrically heated melting furnace.
- 301/Mas/86. Allied Corporation. Electrical connectors. (April 29, 1985; United Kingdom).
- 302/Mas/86. Union Oil Company of California. Methods for regulating the growth of plants and growth regulant compositions.

23rd April, 1986

- 303/Mas/86. Raj Ravi. A device for preparing a decoction of tea.
- 304/Mas/86. Ncogen Corporation. Cultivation of Morchella.
- 305/Mas/86. Charbonnages De France (Etablissement public). Fluidised bed heat exchange apparatus.
- 306/Mas/86. BBC Brown, Boveri & Company Limited. Protective device for a load connected to a power supply line of an electric power system.
- 307/Mas/86. Reckitt & Colman AG. A device for permitting controlled emission of volatile substances.
- 308/Mas/86. Electrovert Limited. Vibratory Wave soldering of printed wiring boards. (May 3, 1985; United Kingdom).

24th April, 1986

- 309/Mas/86. S. A. R. Navakodi. Security alarm system.
- 310/Mas/86. S. A. R. Navakodi. Liquid level indicators with locking mechanism.
- 311/Mas/86. S. A. R. Navakodi. Safety automobile and road flasher unit.
- 312/Mas/86. International Business Machines Corporation. Correction tape cartridge and feed mechanism therefor.
- 313/Mas/86. Man Gutehoffnungshutte GMBH. Method and equipment for gasification of a carbon-containing combustible material, in particular coal. (April 10, 1986; Australia).

314/Mas/86. Aluminium Pechiney. Production of alumina from gibbsite-bearing bauxite of low reactive silica content.

25th April, 1986

315/Mas/86. Antibioticos S.A. Antibiotics from streptomycetes. (April 26, 1985; Great Britain).

316/Mas/86. Allied Corporation. Connector for a fiber optic cable.

317/Mas/86. International Business Machine Corporation. Colour image display system.

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

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CLASS : 11 & 194. 157750

Int. Cl. : C 06 d 1/10; F 42 b 33/00.

#### FLARE HAVING NOISE ATTENUATION.

Applicant : THE BRITISH PETROLEUM COMPANY LIMITED, BRITANNIC HOUSE, MOOR LANE, LONDON, EC2Y 9BU, ENGLAND.

Inventors : 1. ROBERT MCMURRAY, 2. GERALD PRATLEY.

Application No. 1405/Cal/81 filed December 10, 1981.

Convention dated 10th December, 1980 (39568) United Kingdom.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 14 Claims

A flare having noise attenuation comprising a supply line for a pressurised gas and a Coanda body positioned over the outlet of the supply line so as to define a high pressure gas outlet adapted to direct the issuing high pressure gas over the outer surface of the Coanda body means for reducing the noise of the high pressure gas issuing from the Coanda outlet, the means comprising a first upwardly diverg-

ing frusto-conical shield surrounding the pressurised gas line, the lower edge of the first shield being spaced apart from the supply line and a second shield closed with the supply line and located below the first shield.

Compl. Specn. 11 pages.

Drgs. 4 sheets.

CLASS : 84-C.

157751

Int. Cl. : C 10 I 5/00, 9/00.

#### A PLANT FOR OBTAINING FUEL DUST FROM MAIN FUEL STREAM FOR FEEDING FUEL DUST IGNITION FLAME.

Applicant : L. & C. STEINMULLER GMBH, OF POSTFACH 100855/100865, D-5270 GUMMERSBACH, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. KLAUS LEIKERT, 2. KLAUS-DIETER RENNERT.

Application No. 162/Cal/82 filed February 10, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 4 Claims

A device for obtaining fuel dust from main fuel stream comprising a grinding plant for producing ground fuel dust material, feeding means for feeding said ground fuel dust alongwith carrier air to a main burner from said grinding plant, a tapping probe located in said feeding means for withdrawing a quantity of said fuel dust and carrier air, said probe having a tapping aperture oriented against the direction of main fuel stream, a separator in flow communication with said probe for separating the carrier air and the fuel dust from the withdrawn stream, a sifter unit or additional grinding plant unit connected between said probe and said separator unit, a storage unit for storing the so separated fuel dust and having also feeding means for feeding said fuel dust to a fuel dust ignition flame, said separator unit having an induced draught blower in communication with said main fuel dust feeding means at a location after the said probe.

Compl. Specn. 7 pages.

Drgs. 2 sheets.

CLASS : 72-B.

157752

Int. Cl. : C 06 b 1/00.

#### CAP SENSITIVE WATER-IN OIL EMULSION TYPE EXPLOSIVE COMPOSITION AND A METHOD OF PRODUCING THE SAME.

Applicant : IEL LIMITED, FORMERLY KNOWN AS INDIAN EXPLOSIVES LIMITED, OF ICI HOUSE, 34, CHOWRINGHEE ROAD, CALCUTTA-700 071, WEST BENGAL, INDIA.

Inventors : 1. GAUTAM SEN,

2. KARUR VARADARAJAN SESHADRI,  
3. SRINIVASACHARY SESHAN,  
4. SOUMENDRA NATH SEN.

Application No. 743/Cal/82 filed June 25, 1982.

Complete Specification left on 18th August, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 8 Claims

An improved water-in-oil emulsion explosive composition sensitive to a conventional commercial No. 6 Cu detonator or detonating cord in diameters of 25 mm. and above at temperatures down to 5°C even when prepared under low shear low speed mixing conditions which comprises the combination of an aqueous solution comprising one or more inorganic oxidiser salts such as herein described, a sensitising

liquor such as herein described, water and a gassing accelerator such as herein described with a fuel phase comprising hydrocarbon fuels and emulsifiers such as herein described and a density controlling agent such as herein described the sensitivity of the composition being imparted by the presence of said sensitising liquor in an amount of from 2% to 40% by weight of the total weight of the composition.

Compl. Specn. 19 pages.

Drg. Nil.

Provisional Specn. 15 pages.

Drg. Nil.

CLASS : 145-D.

157753

Int. Cl. : B 65 h 39/00.

AN ASSEMBLY FOR COLLECTING A PILE OF SHEETS DISCHARGED INTO A COLLECTION AREA FROM A SHEETING MACHINE AND TRANSFERRING SAID PILE AWAY FROM THE COLLECTION AREA.

Applicant : BELOIT CORPORATION, P.O. BOX 350, BELOIT, WISCONSIN 53511, UNITED STATES OF AMERICA.

Inventors : 1. ARTHUR T. KARIS, 2. PETER J. EBERTH.

Application No. 780/Cal/82 filed July 5, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 18 Claims

An assembly for collecting a pile of sheets discharged serially into a collection area from a sheeting machine and transferring said pile away from said collection area comprising :

a framework for supporting a lift table means and a transfer conveyor means adjacent to said lift table means extending from said collection area and including a belt conveyor means adjacent to said lift table means for transporting said pile in a first direction,

said lift table means having a planar surface and elevating means mounted between said framework and planar surface for reciprocating said planar surface between a raised position and a lower most position, characterized in that

said lift table means is positioned in the collection area,

said transfer conveyor means has a slat conveyor means adjacent said belt conveyor means for transporting said pile in a second direction which is substantially orthogonal to said first direction, said slat conveyor means comprising :

a generally planar top surface,

a longitudinal opening in said top surface running in said second direction,

a slat chain means mounted for endless loop rotation in said opening with an upper portion thereof facing upward from said opening, including a drive chain and a series of individual slats connected to said drive chain with planar surfaces overhanging opposed sides of said drive chain,

opposed ledge surfaces facing across said opening for supporting the slats in said upper portion of said slat chain along their planar surfaces in a receiving position substantially recessed in said top surface and tilted toward said first direction to facilitate receipt thereover of said sheet pile from said first direction,

a guide member mounted for longitudinal back and forth movement beneath said upper portion of said slat chain and having an upper surface for engaging said upper portion for movement thereover and a lower profiled surface portion, a support surface means for engaging said profiled surface portion, and

drive means for moving said guide member such that by movement one way said slats in said upper portion are in their receiving position and by movement the opposite way said slats in said upper portion are in a transport position substantially elevated over said top surface with planar surfaces level to support said pile for transfer in said second direction, wherein said planar surface is lowered from its

raised position as the sheets are piled on it, and lowering of said planar surface is continued until it reaches its lowermost position for depositing said pile onto said belt conveyor means.

Compl. Specn. 19 pages.

Drgs. 5 sheets.

CLASS : 107-H.

157754

Int. Cl. : F 02 d 5/00.

A FUEL TIMING CONTROL SYSTEM FOR A COMPRESSION IGNITION ENGINE.

Applicant : AMBAC INDUSTRIES, INC., OF 5200 AUTO CLUB DRIVE DEARBORN, MICHIGAN 48126, U.S.A.

Inventors : 1. ROBERT HOWARD BULLIS,  
2. ROBERT ALLAN DIDOMENICO,  
3. JOHN ARTHUR KIMBERLEY,  
4. THOMAS M. McHUGH,  
5. CHRISTOPHER ARTHUR PARENT,  
6. JAMES R. VOSS,  
7. WALTER J. WIEGAND.

Application No. 795/Cal/82 filed July 9, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 28 Claims

A fuel timing control system for a compression ignition engine, said system including means for delivering fuel to said engine for combustion, said fuel delivery means being responsive to a timing control signal for controlling the timing of fuel delivery by said fuel delivery means and means responsive to signals indicative of certain engine operating conditions for providing said timing control signal, characterized in that one of said signals indicative of a certain engine operating condition is a signal generated by a start of combustion signal generator, said signal generator comprising

means adapted to be mounted in operative communication with a combustion chamber of said compression ignition engine to sense a direct property of combustion and to provide engine to sense a direct property of combustion and to provide a signal representative thereof, the level of said property of combustion being sensibly changed at the onset of combustion; and

means operatively connected to said sensing means for conditioning said signal representation of said sensed property of combustion to provide an electrical signal precisely indicative of the timing of the onset of combustion in said combustion chamber.

Compl. Specn. 41 pages.

Drgs. 3 sheets.

CLASS : 70-B & C.

157755

Int. Cl. : B 10 k 3/00.

AN IMPROVED ELECTROLYSIS PROCESS OF AN AQUEOUS ALKALI METAL HALIDE SOLUTION TO OBTAIN HIGH PURITY CAUSTIC ALKALI AND AN ELECTROLYTIC CELL FOR CARRYING OUT THE PROCESS.

Applicant : KANEGAFUCHI KAGAKU KOGYO KABUSHIKI KAISHA, OF 2-4, 3-CHOME, NAKANO-SHIMA, KITA-KU, OSAKA, JAPAN.

Inventors : 1. TSUTOMO NISHIO, 2. YASUSHI SAMEJIMA, 3. MINORU SHIGA, 4. TOSHIO KANO, 5. KOJI SAIKI.

Application No. 1259/Cal/82 filed October 22, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 13 Claims

An improved electrolysis process of an aqueous alkali metal halide solution to obtain high purity caustic alkali using a horizontal type electrolytic cell provided with an anode compartment located on a cation exchange membrane positioned substantially horizontal and a cathode compartment under said membrane, the improvement which comprises the steps of;

allowing a cathode plate having gas-liquid impermeability to be in close proximity to or in contact with the cation exchange membrane,

forming a cathode liquor stream flowing in a space of the cathode compartment formed between the cation exchange membrane and the cathode plate, with which the lower side of the membrane is wetted, and

enfolding a caustic alkali and hydrogen gas, immediately when prepared in the space of the cathode compartment, in the cathode liquor stream to thereby remove those from the cathode compartment.

Compl. Specn. 27 pages.

Drsgs. 6 sheets.

CLASS : 67-C; 176-I; 206-E.

157756

Int. Cl. : F 27 d 21/04.

SYSTEM FOR AUTOMATIC AND CONTINUOUS DETERMINATION OF THE EFFICIENCY OF A FOSSIL FUEL-FIRED VAPOR GENERATOR.

Applicant : THE BABCOCK & WILCOX COMPANY, AT 1010 COMMON STREET, NEW ORLEANS, LOUISIANA 70160, UNITED STATES OF AMERICA.

Inventors : 1. RALPH KENNETH JOHNSON, 2. AZMI KAYA, 3. MARION ALVAN KEYES, 4. WILLIAM HARRIS MOSS.

Application No. 1423/Cal/82 filed December 8, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims

A system for the automatic and continuous determination of the efficiency of a fossil fuel-fired vapor generator, comprising, means generating a first signal proportional to the pounds of dry exit flue gas per pound of fuel, means generating a second signal corresponding to the temperature difference between the exit flue gas and the air supplied for combustion, means generating a third signal proportional to the specific heat of the dry exit flue gases, and means generating a fourth signal proportional to the product of the first, second, and third signals and to the heat loss in the dry flue gas in BTU per pound of fuel.

Compl. Specn. 14 pages.

Drsg. 1 sheet.

CLASS : 28-G.

157757

Int. Cl. : F 21 v 23/00.

MINE SAFETY LAMPS.

Applicant & Inventor : BIRENDRA NATH MUKERJEE, OF 131/13 N.S.C. ROSE ROAD, CALCUTTA-700 040, STATE OF WEST BENGAL, INDIA.

Application No. 1429/Cal/82 filed December 9, 1982.

Complete Specification dated left on 20th January, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims

A mine safety lamp of the kind described comprising means for lighting or relighting its wick, which means include a loop of a wire of a material having high specific electrical-resistance such as nickel-chromium alloy disposed and supported above the upper end of the wick by a pair of screws one of which is electrically connected to the base plate of the lamp and the other of which is connected to a cover plate which is electrically insulated from the base plate, and the cover plate being adapted to be contacted with terminals connected to an intrinsically safe low voltage electric supply circuit provided in a mine for operating annunciators, call bells or other signalling apparatus.

Provisional Specn. 4 pages.

Drsg. Nil.

Compl. Specn. 10 pages.

Drsg. 1 sheet.

CLASS : 12-B.

157758

Int. Cl. C 23 e 11/14.

PROCESS FOR NITRO-CARBURISING METAL RINGS OF GENERALLY RECTANGULAR CROSS-SECTION FOR USE AS PISTON RINGS OR SEALING RINGS.

Applicant : AE PLC, CAWSTON, RUGBY, WARWICKSHIRE, CV22 7SA, ENGLAND.

Inventor : I. NORMAN TOMMIS.

Application No. 1449/Cal/82 filed December, 16, 1982.

Convention dated 16th December, 1981 (81. 37940) United Kingdom.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims

A process for nitro-carburising metal rings of generally rectangular cross-section for use as piston rings or sealing rings, characterized by forming a stack of rings with adjacent rings in contact, placing the stack of rings in a chamber from which air is excluded and then supplying to the chamber a gaseous mixture of an exothermic hydrocarbon gas and ammonia gas in the ratio of from 25 : 75 to 75 : 25 (% by volume) at a temperature of from 450°C to 650°C to nitro-carburise the radially outer surface and the sides of the rings.

Compl. Specn. 18 pages.

Drsg. 1 sheet.

CLASS : 172-C<sub>3</sub>.

157759

Int. Cl. D 01 g 9/00.

DEVICE FOR OPENING AND CLEANING COTTON WASTE.

Applicant : TRUTZSCHLER GMBH & CO. KG., OF DUVENSTRASSE 82-92, D-4050 MONCHENGLADBACH 3, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. WALTER OELLERS, 2. FRIEDERICH FISCHER.

Application No. 62/Cal/82 filed January 14, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 16 Claims

Apparatus for opening and cleaning fibrous flock waste, the apparatus comprising a scutching roller, a device for feeding the fibrous material to the scutching roller, a grating associated with, and arranged eccentrically with respect to, the scutching roller, and a housing around the scutching roller the housing having an openable cover which lies downstream of the grating in the direction of rotation of the roller and which when opened provides an outlet for the fibrous material.

Compl. Specn. 13 pages.

Drsg. 1 sheet.

## OPPOSITION PROCEEDINGS

## (1)

The application for Patent No. 153078 made by Midrex Corporation against which an opposition has been entered by Voest Alpine Aktiengesellschaft as notified in the Gazette of India, Part-III, Sec.-2, dated the 15th December, 1984 has been treated as refused and the patent has been ordered to be sealed on this application.

## (2)

The Application for Patent No. 151747 made by Indian Oxygen Ltd. against which an Opposition was entered by Union Carbide India Ltd. as notified in Gazette of India, Part III, Section 2 dated 04th February, 1984 has been treated as dismissed and the Patent has been ordered to be sealed on this application.

## PATENTS SEALED

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## CESSATION OF PATENTS

149241 149384 153993

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 3. No. 156793. Union Carbide India Limited, an Indian Company, of 1, Middleton Street, Calcutta-700 071, West Bengal, India. "Flash Light". 19th March, 1986.

Class. 3. No. 156456. Bluplast Corporation, Hakoba Industrial Estate, 2nd floor, I.B. Patel Road, Goregaon East, Bombay-400 063, Maharashtra, India, an Indian Partnership Firm. "Mug". 23rd December, 1985.

Class. 3. No. 156794. Union Carbide India Limited, an Indian Company, of 1, Middleton Street, Calcutta-700 071, West Bengal, India. "Flash Light". 19th March, 1986.

Class. 3. No. 156131. Laboratories Vifor (India), Private Limited, a company incorporated in India, of 85, Dr. Annie Besant Road, Worli, Bombay-400 018, State of Maharashtra, India. "Trocac-Drip". 14th October, 1985.

Class. 3. No. 156084. Sinter Plast Containers, Plastics Division of The Bharat Vijay Mills Ltd., an Indian Company having its address at pin : 382 721, Gujarat State, India. "Container" 25th September, 1985.

Class. 3. No. 156173. Sony Kabushiki Kaisha (also trading a joint stock company organised under the laws of Japan, as Sony Corporation), 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Yokyo, Japan. "Video Camera Combined With Video Tape Recorder". 25th October, 1985.

Class. 3. No. 156214. Mcpherson's Limited, an Australian Company, of 500 Collins Street, Melbourne, Victoria 3000, Australia. a "Cutlery Scabbard". Reciprocity 7th May, 1985. (Australia).

Class. 3. No. 156215. Mcpherson's Limited, an Australian Company, of 500 Collins Street, Melbourne, Victoria 3000, Australia. a "Cutlery Knife". Reciprocity 7th May, 1985. (Australia).

Class. 3. No. 156216. Mcpherson's Limited, an Australian Company, of 500 Collins Street, Melbourne, Victoria 3000, Australia. a "Knife Scabbard". Reciprocity 7th May, 1985. (Australia).

Class. 3. No. 156217. Mcpherson's Limited, an Australian Company, of 500 Collins Street, Melbourne, Victoria 3000, Australia. a "Knife". Reciprocity 7th May, 1985. (Australia).

Class. 12. No. 156438. Emias Trust, 8th floor, Mogul's Court, Basheerbaab, Hyderabad-500 012, Andhra Pradesh, India, a trust duly organised and existing under the laws of the Union of India, "Biscuits", 13th December, 1985.

Extn. of Copyright for the Second period of five years.

No. 155374. .... Class-1.

Nos. 155737, 155739, 155741, 155743, 155744, 155746, 155673. .... Class-3.

Nos. 155670, 155671, 155672. .... Class-5.

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Controller General of Patents, Designs  
and Trade marks

